
Aeronavtika - Preskusne metode - Mikrostruktura gnetenih izdelkov iz titanove zlitine (Ů + É) - 002. del: Mikrostruktura palic, profilov, materiala za kovanje in izkovkov

Aerospace series - Test method - Microstructure of (Ů + †) titanium alloy wrought products - Part 002: Microstructure of bars, sections, forging stock and forgings

Luft- und Raumfahrt - Prüfverfahren - MikrogefÄge Knetzeugnisse von Titanlegierung (Ů + É) - Teil 002: MikrogefÄge von Stangen, Profilen, Schmiedevormaterial und SchmiedestÄcken

S°rie a° rospatiale - M° thode d'essai - Microstructure des produits corroy° s en alliage de titane (Ů + É) - Partie 002 : Microstructure des barres, des profil° s, des produits destin° s ©la forge et des pi±ces forg° es

Ta slovenski standard je istoveten z: EN 3114-002:2007

ICS:

49.025.30 Titan Titanium

SIST EN 3114-002:2009 en,de

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SIST EN 3114-002:2009

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3114-002

March 2007

ICS 49.025.30

English Version

**Aerospace series - Test method - Microstructure of (a + β)
titanium alloy wrought products - Part 002: Microstructure of
bars, sections, forging stock and forgings**

Série aérospatiale - Méthode d'essai - Microstructure des
produits corroyés en alliage de titane (a + β) - Partie 002 :
Microstructure des barres, des profilés, des produits
destinés à la forge et des pièces forgées

Luft- und Raumfahrt - Prüfverfahren - Mikrogefüge
Knetzeugnisse von Titanlegierung (a + β) - Teil 002:
Mikrogefüge von Stangen, Profilen, Schmiedevormaterial
und Schmiedestücken

This European Standard was approved by CEN on 18 October 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 3114-002:2007) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2007, and conflicting national standards shall be withdrawn at the latest by September 2007.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 3114-002:2007 (E)

1 Scope

This standard contains pictures of the microstructure of bars, sections, forging stock and forgings for ($\alpha + \beta$) titanium alloy.

It shall be used in conjunction with EN 3114-001.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 3114-001, *Aerospace series — Test method — Microstructure of ($\alpha + \beta$) titanium alloy wrought products — Part 001: General requirements.*

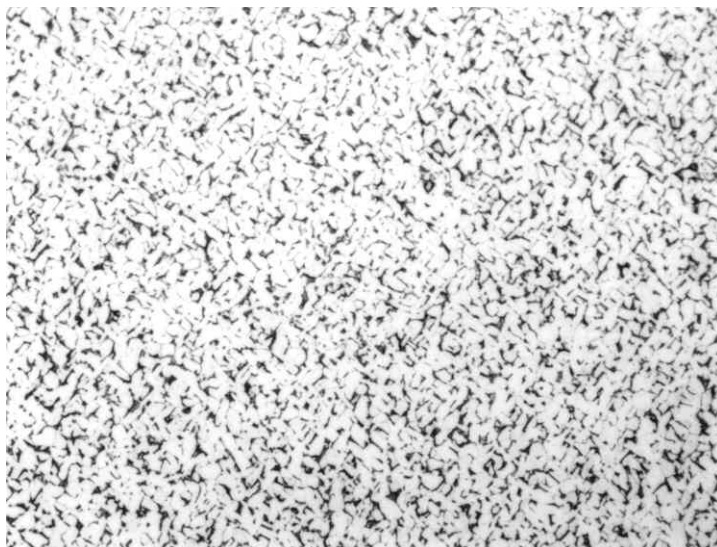
3 Micrographs

See Table 1.

Table 1
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Photo micrograph n°	Description
2T1 to 2T15	($\alpha + \beta$) structure, globular/lamellar, transverse section.
2L1 to 2L15	($\alpha + \beta$) structure, globular/lamellar, longitudinal section.
2T100 to 2T117	($\alpha + \beta$) structure, with local blocky α and α stringers, transverse section.
2A1 and 2A2	($\alpha + \beta$) structure, with lean α areas, longitudinal or transverse section.
2T200 and 2T201	β transformed structure, transverse section.

($\alpha + \beta$) structure, globular/lamellar, transverse section

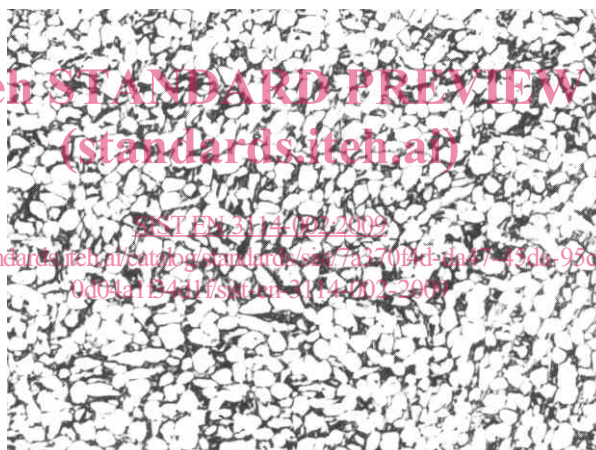


200: 1

2T1

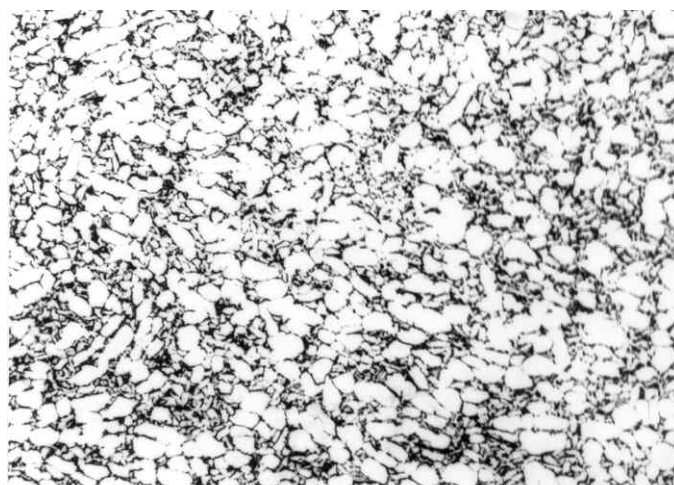
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EN 3114-002:2009
<https://standards.iteh.ai/catalog/standards/sist/7a3709d-d42b-43dc-9%0b-0d06a1b3414/sist-en-3114-002-2009>



200: 1

2T2



200: 1

2T3

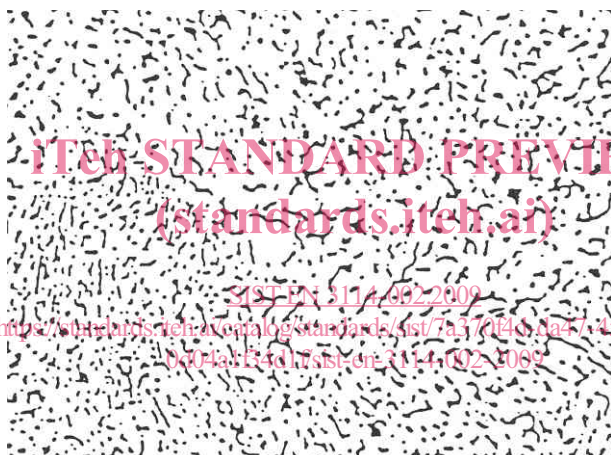
EN 3114-002:2007 (E)

($\alpha + \beta$) structure, globular/lamellar, transverse section



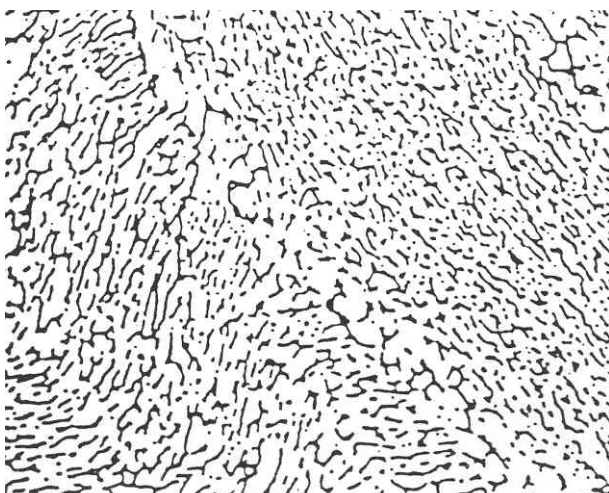
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2T4



200: 1

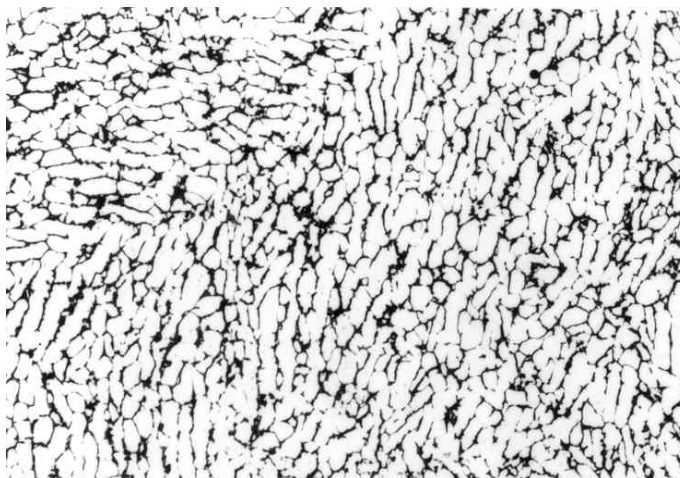
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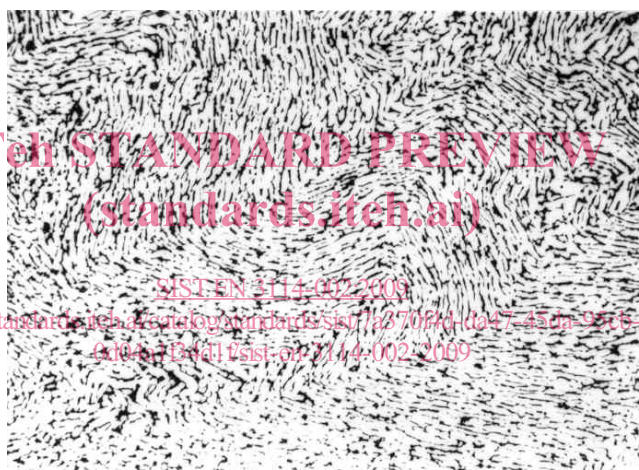
2T6

($\alpha + \beta$) structure, globular/lamellar, transverse section



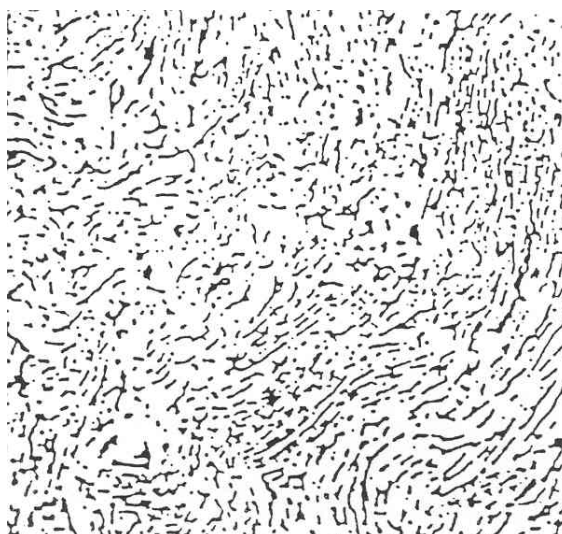
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2T7



200: 1

2T8

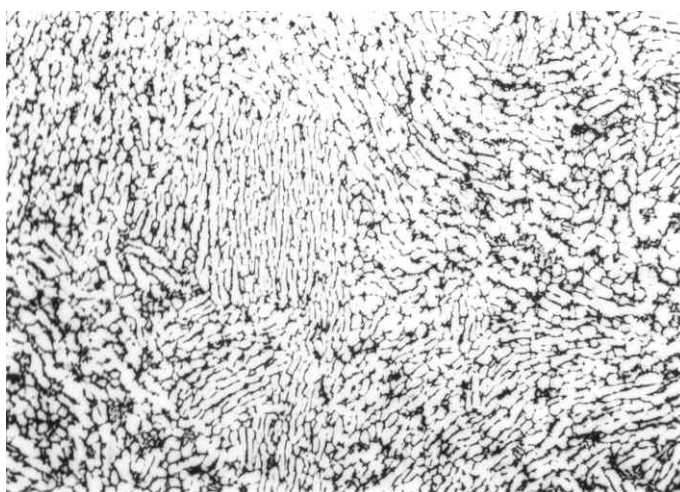


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2T9

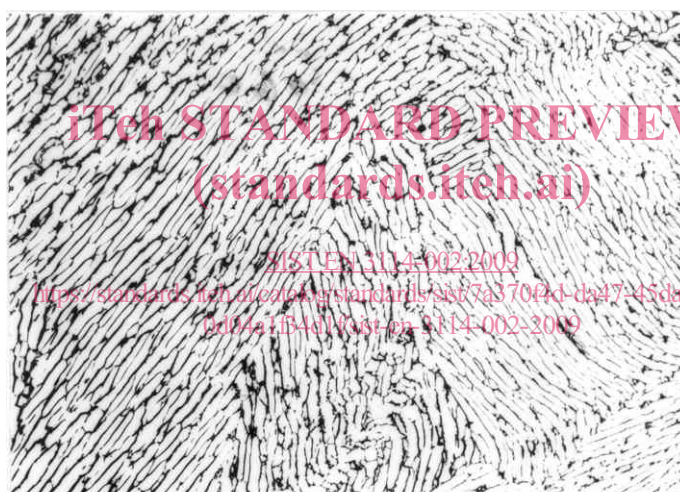
EN 3114-002:2007 (E)

($\alpha + \beta$) structure, globular/lamellar, transverse section



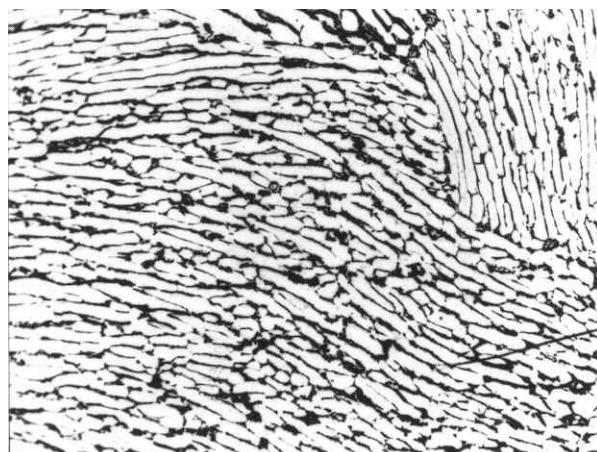
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2T10



200: 1

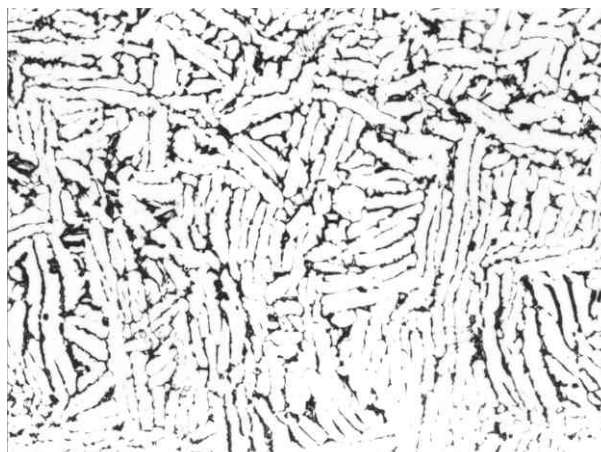
2T11



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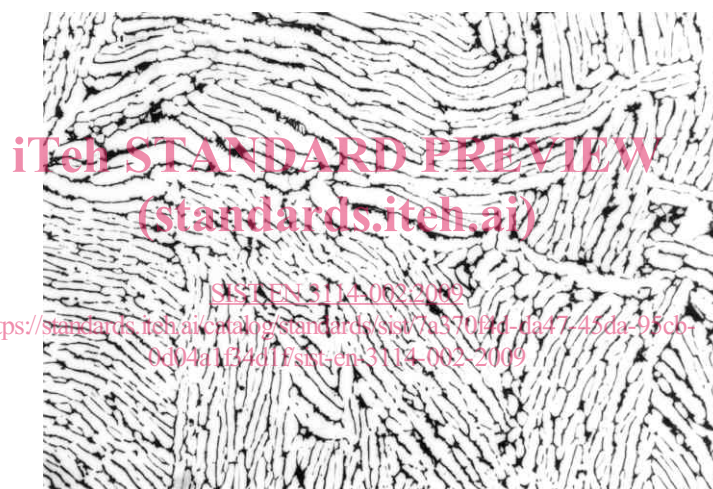
2T12

$(\alpha + \beta)$ structure, globular/lamellar, transverse section



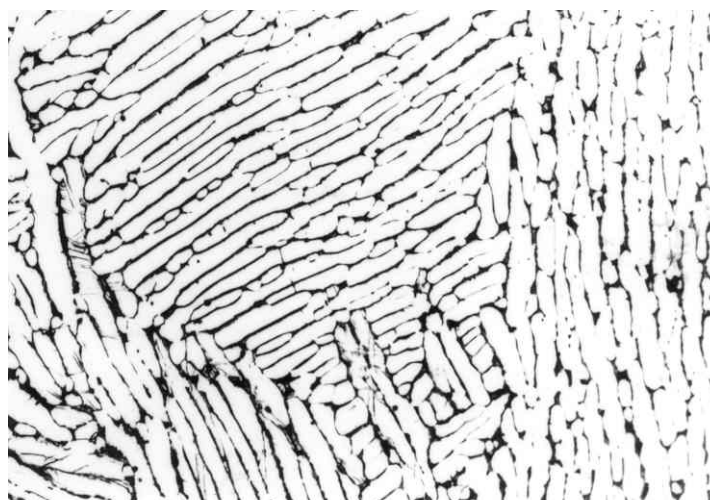
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2T13



200: 1

2T14



200: 1

2T15